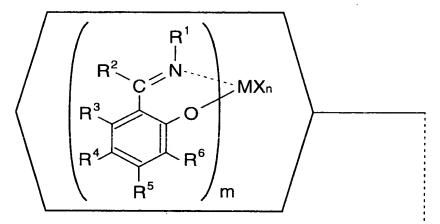
ocket No: 1155-0222P - Filed: August 31, 2001

inventor: Terunori FUJITA et al. Birch, Stewart, Kolasch & Birch, LLP 703)205-8000

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(A) Transition metal compound



M: Transition metal atom of Groups 3-11

 $R^1 - R^6$:H, hydrocarbon group, etc.

m:1-6

n: Number satisfying valence of M

X: Hal, hydrocarbon group, etc.

(B)

Organometallic compound

Olefin

Organoaluminium oxy-compound

Compound reacting with transition metal compound to form ion pair

to be desired that the term of the term of



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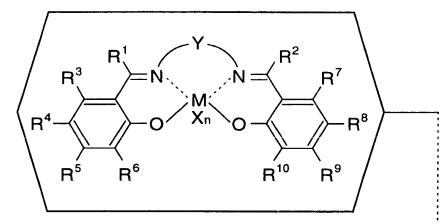


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Fig.2

(A) Transition metal compound

703)205-8000



M: Transition metal atom of Groups 3-11

 $R^1 - R^{10}$: Hal, hydrocarbon group, etc.

n:Number satisfying valence of M

X: Hal, etc.

Y: Hydrocarbon group of C3 or more, etc.

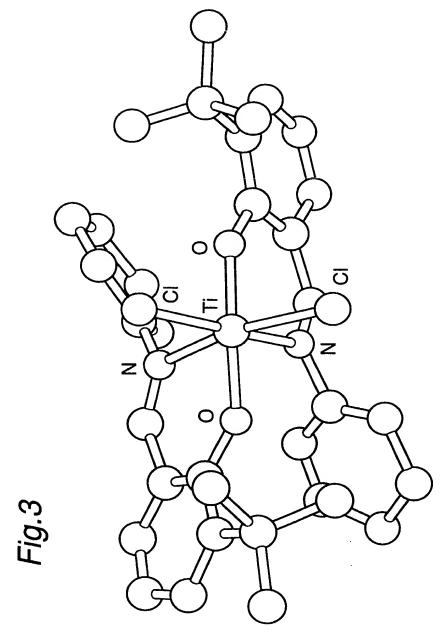
(B)

Organometallic compound

Olefin

Organoaluminium oxy-compound

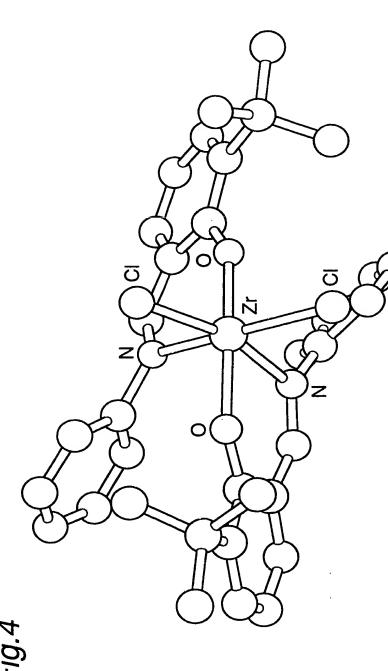
Compound reacting with transition metal compound to form ion pair



Structure of Compound A-1 from X-ray crystal structure analysis

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Serial No.: NEW Docket No: 1155-0222P - Filed: August 31, 2001 Inventor: Terunori FUJITA et al. Birch, Stewart, Kolasch & Birch, LLP 703)205-8000



Structure of Compound B-1 from X-ray crystal structure analysis